AMENDMENTS TO THE SPECIFICATION

Please amend paragraph [0005] on page 23 as follows:

[0005] In FIG. 18, the conventional transfer apparatus is composed of a transmission apparatus and a reception apparatus. The transmission apparatus comprises a preamble generating section 901, data ~~demodulating~~ modulating sections 902 and 903, multiplexers 904 and 905, orthogonal modulation sections 906 and 907, a local oscillator 908, and transmission antennas TX1 and TX2. The reception apparatus comprises reception antennas RX1 and RX2, a local oscillator 909, orthogonal demodulation sections 910 and 911, frequency error estimating sections 912 and 913 , an averaging section 914, frequency correcting sections 915 and 916, an inverse propagation function estimating section 917, and data demodulating sections 918 and 919.

Please amend paragraph [0005] on page 23 as follows:

[0041] Hereinafter, operations of the transmission apparatus and the reception apparatus included in the transfer apparatus of the first embodiment will be described.

[Operation of transmission apparatus]

In the transmission apparatus, the synchronization subsymbol generating sections 101 and 105 generate the synchronization subsymbols Stx which are different among the transmission antennas. Specifically, the ~~the~~ synchronization subsymbol generating section 101 generates a synchronization subsymbol Stx1 for the transmission antenna TX1. The synchronization subsymbol generating section 105 generates a synchronization subsymbol Stx2 for the transmission antenna TX2. FIG. 2 is a diagram for explaining the synchronization subsymbols Stx1 and Stx2.